The Mucous Membranes

Geo. Halbertads of Benn.

The degree of Doctor of Medicine

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seen, would be presented many obstacles & difficul the prosecution of a subject, connected with beience in which he is get a more typo, if upon the observation and experience of others. and even if he were competent to the tack. from his neccessarily restricted knowledge and united meand, much time and labout would be expended upon the our subject to the exelu seem of others of perhaps equal importance. medicine is a Science of Observation, and, he works would unprove it, and enlarge the Iphere of its indefulbueft, mull have already been an attentive observer of natures operations both in health, and desease, with their sentements I enter upon the subject of the following laged, under the full impression that the greatest indulgence will be exhibit



ted by the faculty towards me, -

The mucous Membranes are so named from the fluid which constantly bubicotes their enfaces, altho occupying to important a part in the structure of the human economy, por the intimate relations they bear to othis parts of the System, and on account of their being from their extended surface and exposed Setuation, the frequent point of attack for deleterions efternal agents, yet very little attention was turned to their intimate structure functions, and pathology, with the time of Finel, whose observations were principally made however, at her bed side of his patients, the correctness of his views were fully confirmed by andable & successful coadjute, the Ilus-Etions Bichat, who reduced them to demous tration, by multiplied post morten examin ations, by giving to the world the result of his researches in this part of anatomy, he

Jame. The peroffestion cound too sincerely agret the lop of his quat and valuable talents, altho he had scarcely reached the meridian of life, yet was his genine at its midday splendor, he was already looked upon by all Europe as the favornite child of science, and the brightest ornament of our profession, his name already held an exalter rank among those distinguished for mental endamnent, and scientific ac. quirement, to his labourd are we cheefly indebted for our knowledge of the tiesus which will enstitute the subject of this essay, from him therefore will I borrow largely . - The Mucous Membran lines all the outlets of the body, in it are ex-- Libited some of the most conspicuous plu - nomena of life, as Respiration. Signation secretion expertion de, it has received paray



names experience of Standard as Glandardon's Munbane, volton's Montage of their which lines the resid folia. Admitary Membrane. Buchat gives them a general displies with Control theorem, and general Minimum, besides which them is also a small wantated schools impace lineary the profiles, and landeries ony takes, but what possesses, the general chalacters of the others.

othe gallion Pelmonany commences at the provide order and articles just of the specificary firstory trind along the day to the Soliciany globady, to the security from the communication, which communicate with the noise by means of the Francia becommended with the noise by means of the Francia becommended in the most of the security the entraction to the Language tractions and in specific is provided in the art of the Language traction and in specific in the art of the Language traction and in specific in the article of the Language traction and in specific the trippage of and the Language to present stealy along the whole course of the Elimentary canal, provided towards because it leads this clong the Language.



to the Dactad Choledochiad Communing, which pamping therefore the pumping the making of the Keptatic and Cythic ducht. He when goes to the United Die Small of the Sunction and it branches

The other general division (quiete leinay) penetration from at the lie there having all the union and security at the union and security at the present of a like present of a line of the wagners and is spread out as in present out on the wagners to also limes the bagging better, and sall plan titles, becoming continuous with the second

their ter general divisions have no emultion with each other specific by the skew, which beld with them may be embedded as the terminating explain of the production of the body of the and are semilarly appointed by delease. The it does not often to the other, as an initial day not offend home ou to the other, as an initial time may be special on the one without affecting the other as worms in the preture produces in its first the other as worms in the preture produces in its first the work, a calculus we the bladder an its being



of he wifer of his husbans, her eccutomics assume a vicaions of his Brenchico actual his manchance of the Brenchico actual his manchants descharge, smallers ou may be adjusted throughout its whole extent is a cutombet their adult his effect primate perfectly consider their australias the throughout their australias and they be so that australias is a trypical characters, and

The Menons Membranes breint every when there the first mathers to the muscles by calcular institute only much continued, which is premarkable for its bank of which starts a deposition to secret for jet, it has been described by disaborated musta the little of Newcons back, Biolad has beeted by the principle agent in paiding buttaness perstanted to the Insurers impace, this annauguant his has pretine which is annauguant his has pretined in any or another pretiness persons. In the pretings is surject in facilitates frestried, the facilitates of surject in facilitates the his proper is oftending by surface of the forth of the facilitates of the first of the facilitates of the first of the first one of the first of the facilitates of the first one of the facilitates of the first one of the first on



value of Estrins, where are always to be just with, of the second, the valued a consistent furnish as of ample, the efection of their defends upon the small office of england to found, they are applied, they are also always to be made, the thirds are from only or contraction of the regard.

The tricens Thembrane is composed of their layers pro- the freshmane, the Copies Egistanistic The Sprice, porch admit the epistence of the Gride man others were of crimen that this aritims about the him the coarties, but brilling write will detected it from the parent and togen, leaving the other layers the parent bearing is most distinctly seem where the moreon thembranes are about terms played in the macrot terms played from the places of the promoth, page, made any of which pages made appeared to the promoth, against appearant the planes, cleanly demanded the player is so we desented its specialist comments the planes, as one that the planes, cleanly demanded they it, as one desented its specialist comments he always made out, it is peen theligh products that



it exists, he development of this laver appears to depend whom the degree of exposure to which it is subjected, it is well known that in Prolaption and vel titrie, it addunes all the characters of skin, and the Epidennis becomes ven easily demonstrable, its texture is the same as the Exit series of the skin only kodsessing more delicacy, be subjacent to it, it is owner to this layer that an exposed mucous Surface does not take in inflammation, and that they can bear the contact of external Substances without expoliating. The next land is the Corpus Papillace, herein the membranes dela from the Skin, which has inter-- vening between this layer and the Epidermis. The rate mucosum, but Bichal has never been able to this seems to depend the Sensibility of these Memberry



but they can be very readily seen on any part almost of the mucins surface, as the ville of the intestines are supposed to be nothing more than Kan these papila, very different functions have been assigned to these pille, as in the Stomach they have been supposed to exhale the gastice juice. in the intestine to keyour absorption, De, but Bichal from ximilarity of structure infers similarity of fund tion, he believes them to be the extremities of nervis he supposes that the vascular not work that accompanies and lurrounds the papilla in the stomed exhales the gastice view, and that in the intesting they are intimately blended with the origin of the absorbents, aving to their extreme tennity, and the varied proub pour microscopical examinations, there has been little concadance of opinion a mong those who have turned their attention to this subject, there are however, some donk of agreement with regard to form, but the structure has been the most contested. Lebenkaha thought



they were formed by a kind of willale visible in which the veltel terminated, and to this conclusion he was lead by observing that the inthe air diene in by diffusing broad gaon to them a strugg appearance, Herren observed the Lame thing, but he supposed the phenomenon was awing to an exection taking before limelar to that which occurs in the execute tissues. This the medium of a klefus of vessels. This opinion is rejected by many The anatomists, who maintain they contain no meeds, had they are constituted by nothing but a kind of jelly without either love or organ ination. That this matter becomes spongy by ling soaked, and that thus the lymphatic redsels may take their rise, many anatomists are of this who that there are apettions in the summits of the pilli, but they are by no means agreed as to num - ber, some allowing but our others from 6 to 10. Hewson Ray Kiel Kell do not brown distinct



until section takes place, and hus he explains absorption, it is from analogy Rupposed that there will process nerves, but they have never been deman strated veing han been injected in them, from the vona porta, Vin lymphatic pressels an evident -The next layer is the Choin, his corresponds with the conon o the thin, it is thick in the palate, gums and hitritan membrane mon thin in the Stomach and intestines, indistinct in the bladder gall Bladder, and executory ducts, it is composed of condended cellular substance, which is plainly Thoun by macration, it defers from the entanemy coion in this, that in dropery the latter forms distinct cells, which does not occur in the former it is more loft than her cutamons Corion, it is this layer which gives strength to the whole prenent structury_

Beeide Blood presels absolute and explaine then found in the structure of the Mesons Manbranes, numerous ghands, they are found within



within the coion, or between it and the subjacut Structure, they consist merely of a congenies of versels terminating in short ducks, which seem upon the free surface of the membrane, they secute a michaemons Haid, which labricating the Runface of the membrano, ferros to protect it from foreign bodies it is always encuased by the presence of Ruch bodies, the glands themselves pany much in lige, they are large in the month, Browdia, besolhages, and shitestines, but they are pery indistinct in the leterns. Bladder, gale Bladder, Jo, When they are very small they are extendingly pumerous, The mucous Membranes receive also a very quest number of vessels, which kenetrate, the publime of the tissue, rampfying minutely on its surface to which is owing its reducts. This is not uniform it is quartest on the nose, mouth go, less so in the large hetistines, Bladder be they become from in takes of duffocation, and white in Systope



These Membranes are furnished with exhalute, they exist in great numbers in the Lungs; as is shown by the Falmonary Godpiration, in other parts the eshalation is so blended with the mucras fluid that its quantity cannol be estimated, absorbents absorption of chyle and drinks, from the intertinal Eneface, or also of the penersal ving, and that of various, by the odow of practions substances in the wine and breath, cases an on second where the wine has been absorbed, - News also enter cuts the composition of the M. M. at all the origins I these membranes, where the animal is placed in pelation to external objects or find occubal news as is exhibited in the fituitary and palatine Membrary The conjunction. Rectam, and Olans Penis, but the ha teeting exerctories ye are entirely supplied by the game



contractility and extensibility. He means tubes come become obtained when pourty, and when without addressed, as in the own with severely and cellular structure,

Dathology. The affections of the musous kystem. descare of these membranes is Inflammation, common interse, han in any others, there is very rarely any rarely terminate in gangrene, this termination occur



of the resuls, or this the medium of the exhalists. without any lesion in the structure, of which the another exercis of Hemosphagy by Hemorrhoids, which lation may take slace on any part of the muchis Surface, it is generally divided into two species, the action, and the Bassion, the Jounes, when it is accompanied by some febrile excitement, the latter when it seems to be the redult of debility, as a seem at the close of against desealed, host mortion of amination exhibits as mark of delegale, it is uncerdisorganization, an the ridull of rupture or exhala tion, effetha are another desiate Reculiar to the two species, the first present themselves under the



form of sheall round prominent alcert, comed with tongue. They are sometimes an inch in drametre, the offen species are small termours provided with exercts. my ducto. In which reason they dave been regarded as small tunified glands, altha are for the most of long standing they extend down this the whole teach of the alimentary canal, producing burgings. blatulencies, and other disagreable lymptoms, cometing Junge are also found in the M. M. they consist in a thickming of the membrane, they are found in

The lunces, trode, month, and loomly, where they have called Folighe, they are pay versales, and bleeding readily. They are by four conditioned as only we of lander.

all these affections may be facily Lysuptometic



Rug Calands may be the effect of decise of the tre much, the smoons Heworhayy serves to indicate other describes in a gragnity of cases, applica are you he consequence of perhips fevers;

These Membranes are also hable to constitutional

moledies, as Journey and beneveal-

Deleases of Particular parts of the Mucous dystem When the Conjunction becomes inflammed, it is called Whihalinia, the conjunction becomes altered in its appearance, from being almost white, there are now innumerable restely traversing it in all duce tions, they are the most wealth in the past covering You delevotion. This deserve is always a companied with an encuased secretion from the membrano, the termination are the same as in other parts of the tiesur, very frequently in chronic inflammation, in this can then is an abatement of the Lymptons, but the reducts still remains, the Conjunction frequently thick - end, producing Extropum, it is also liable to bemon. Thagy, and Junge, but they are now, sometimes



the access is symptomatic of a service affection, a of reserved, the inflammation brunchings officed to the Secretary and Secretary and Secretary and Secretary and Secretary and Secretary secretary and secretary

When the Petritary Membrane becomes inflamed it constitutes Congra, it is accompanied with pain Some Jehilo excetement, difficulty of breathing, drying of the nose, the discharge is at first very thin, and Sometimes so acid as to excreate the part over which it passes, it from assumes more consistence then becomes natural, this deserse commonly ter minates in a very short time. parely broming chen -ie, this membrane is also Subject to Obena, an ill-conditioned and fetid alcer, generally connected with some peculiar state of the Rystew, Jolyke an I prequent occurrence, of which there are two kinds, the me soft and white, the other, hard soft I raped growth, they sometimes produce alcuation of the botes, or cause desprep, or Epithon, Seus thapy is very common to this membrane, its lympton - atic affections are few, the Runses are Rubsect to



the same deseased. The Eustachian tube is some times thickned by Inflammation producing diaprefs The membrane of the mouth parely enflances, and when it does it is generally by continenty. aphtha some tonger is sometimes covered with small top pustules. then may also occur in the month miliary empting, The Thangup is often affected with inflammation it is treated of under the names of augura. Cynaucher of which there are two kinds, as it may affect the largery or Thargery, when it occurs in the latter it is either Idiopathic or Symptomatic, the former -panced with pain, difficult deglutition and some fever, terminates generally by publition, this men have is also liable to ilcusting airing from a beneral tainl _

The Laughet and Fractica an also kulged to heflammation, called Cynanche, the first Cynanche

Sayingers, he latter lynamers trackealis, a levery, the have many symptoms common to both as pain from man in the continuous to make many summers in gaugers, the part of the mean may their mean succeptible of it has men show that the latter of the man show the sound advantage is a common affection becomes changed most common agreeting the through most commonly it is a common affection by the through most commonly it is a common affection by the through most commonly it is a common affection. It has the man and the shall be a shall be the submonage much the latter. The shall be the submonage much the shall be the submonage much the subman are within the pathers as a posterior to the start of the submonage much the subman are within the submonage much the subman are within the submonage much the subman are within the subman and the submonage much the subman are within the subman and the subman are within the subman and the subman are within the subman and the subman and the subman are within the subman and the subman are subman as a sub

The Orsopagus is subject to inflammation. If the out tomations found, Elementage a Cotant rarely

term in it

The Stemach is presently the sect of Auflanmoter anding from acid matters taken into it. This is a certafamica with very birthal symptoms, as from from wellist from the law any King is disaltened, additions, superify it it terminates by the relation.

by Superation, or by Janquere, the mucous living a This organ is kubyet to a Catarch, it is characterized by loss of appetite, pain and oppression, about the Spimucus sometimes of file variously colored, and head ache, his state is generally terminated either by comiting spontaneously a estipicially induced; Hamstenesis sometimes occurs, which is an hemor. whap from the mucrus denface of the Stomach, it is commonly rather passive. Than active the quantity of blood sometimes discharged is knowned, it is of a black cola, hence the terms atrabilis and melong on the supposition that it was black bile, it is come money symptomatic of some other disorder, and it may arise from the Superession of Rome accortone

Caucie is an appetion of the Atomack, generally steered ing the Explore singles, but whether it he a hateau of the Management to see of that Subject or not better.



The most common affection of the mucans living of the Intestines, is Catarrh, presenting the same phinomena in this, as in other parts, of the mucras Surface, when Alight, the peristaltic motion is encurred and we have a state of things similar to that indust by a purgation, but if more interes it then becomes foundable, and is known under the term Lysentery, This is characturged by prequent griping stools, cheffly mucans, sometimes mujed with blood, recessures. Vin hall symptom Bichet considered as peculiar to Vin mucous membanes, natural stools rarely pass, and when they do it is in the form of hard , compact balls called saybala, sometimes adventitions menihaves are formed similar to those of Croup, this gar in to the given among the autients. that part of the talestines came away, This delecte oc--cadiovally becomes Epidemie, sometimes it terminety in Chronic Dylantery, in which there is a permission of all the by reptoms. Schenus tobercles are sometimes few on the internal surface of the intesting after death,



current of the holytims sometimes occurs about the statem. Hermonhagues ponetimes both place, but they are mostly the amountants of My source, in this time an emittimes disturbed in the gases decited as since paralleles as to constitute the decision of the comparation are the temporal of the inflammation are the temporal of the statement out to the temporal of the statement out.

The sheened mucros Membrane Vanier Verinary or also played to a present of discusses. In Membran limiting his prefer and Plant or a servitions offseth with welfances or young price to a discharge Modern Stong blad of formers and theightymore of the sentential of t



the consequence of this when neglected, when upon the Glans and prepuer an of prequent occurrence. arising most frequently from a veneral taint they may however, occur from other Causes. The most common delease of the levelina es The mecrus lineng, it is characterized by the winds Symptoms of other knows of catanh, as local hain, and a discharge of a flued at first thin and Jean ty, afterwards more visced and abundant, it may in many not be caused by the severeal veries, it was an autent orinion that the discharge was the Reminal fluid, hence the term gonorhea, but it has been chown to have it, now from the action hast of the eneral, Sometimes the desease sportane maly cealed, at other times it degenerates, into the chronic from called gleet, Shicker of the buther is a rommon consequence of Conorrhea, it is always an occasionally met with, he women Township



is a delease of lefs consequence than in Men, the begins is the freat of it in Kenn, the Syrapting are March principles from the free to ment methers. It morns linking if the bagina is lead to a delease peny much promitting Ernarden, and which, which it is defined to delinguise from it, it is called Louisonton, a thing letting the option of the containent of the independently of any beneared containent in it is undependently of any beneared containent in it is undependently of any beneared containent in it is undependently of any beneared to the means the internal of the letting of recountil

The Museum Membram of the letting to frequently the back of Memorkings. Let it produced by above tings by any brighters, generally bether ting a most back to recome during frequency, about the period of the period. The statement of throat is of the sound performent, the dustance of blood is of the sound performer. Cancer is a descent to which the letting see single estations of the fact committee about the period of the distortion of the Meterials. Any of the seed of the sound of the seed of t

Handley at the bation, they are very orserven and these oxidy, bey are after readily afrokeners. The moon, membran of the bladder is gitter witalthe producing a Easterble the descript with mon with oth flags, there is discharged with the man a large quantity of moons. When we want to superfect the mount of the superfect of moons.

Whees an sometimes found in the bladder they are accomplished with pain, difficulty o writing the bean with some discharge of blood.

In moons living of the Teleir of the Statung and of the teretor, may also be in a state of initestion from the passage of a calculus -

